

ETHYLENE TRIMERIZATION CATALYST AND METHOD FOR TRIMERIZING ETHYLENE USING THE SAME

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Abstract of JP2002102710

PROBLEM TO BE SOLVED: To efficiently produce 1-hexene from ethylene with high selectivity.

SOLUTION: A catalyst used in the production is obtained by bringing a chromium complex with a coordinated neutral multidentate ligand having a tripod structure represented by the formula $ACrB_n$ (1) (where (n) is an integer of 1-3; A is the neutral multidentate ligand having a tripod structure; Cr is a chromium atom; and B is one or more selected from the group consisting of H, halogen and a linear or branched alkyl) and an alkyl metallic compound into contact with each other under ≥ 10 kg/cm² partial pressure of ethylene.

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